

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Number: 7,835,791
Issued: November 16, 2010
Name of Patentee: Sunagawa et al.
Title of Invention: MEDICAL TREATMENT SYSTEM BY SUBSTITUTING NATIVE BIOLOGICAL REGULATORY FUNCTION; CARDIAC PACING SYSTEM, BLOOD PRESSURE REGULATING SYSTEM, AND CARDIAC DISEASE TREATMENT SYSTEM BASED ON THE MEDICAL TREATMENT SYSTEM

**Commissioner of Patents and Trademarks
Washington, DC 20231
Attn: Decision and Certificate of Correction Branch
of the Patent Issue Division**

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT
FOR PTO MISTAKE (37 CFR 1.322)**

1. Attached in duplicate is Form PTO/SB/44 with at least one copy being suitable for printing.

2. Attached are copies of the following:

- Request for corrected filing receipt dated May 20, 2010
- Corrected filing receipt dated May 24, 2010, showing the correct title

3. The exact page and line number where errors occur in the patent are:

(54), lines 1-7: "MEDICAL TREATMENT SYSTEM USING BIOLOGICAL REGULATION FUNCTION ALTERNATE, CARDIAC PACING SYSTEM BASED ON THE MEDICAL TREATMENT SYSTEM, BLOOD PRESSURE REGULATING SYSTEM, AND CARDIAC DISEASE TREATING SYSTEM" should read "MEDICAL TREATMENT SYSTEM BY SUBSTITUTING NATIVE BIOLOGICAL REGULATORY FUNCTION; CARDIAC PACING SYSTEM, BLOOD PRESSURE REGULATING SYSTEM, AND CARDIAC DISEASE TREATMENT SYSTEM BASED ON THE MEDICAL TREATMENT SYSTEM"

4. Regarding the error in the title, the correct title was included in the filed Application Data Sheet, and is reflected in the attached corrected filing receipt.

5. Please send the Certificate to:

Meghan Van Leeuwen
Brown & Michaels, P.C.

400 M&T Bank Building
118 North Tioga Street
Ithaca, New York 14850-4343

By: /mav 45612/
Meghan Van Leeuwen, Reg. No. 45,612
Attorney of Record
February 14, 2011

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,835,791

DATED: November 16, 2010

INVENTOR(S): Sunagawa et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

(54), lines 1-7: replace “MEDICAL TREATMENT SYSTEM USING BIOLOGICAL REGULATION FUNCTION ALTERNATE, CARDIAC PACING SYSTEM BASED ON THE MEDICAL TREATMENT SYSTEM, BLOOD PRESSURE REGULATING SYSTEM, AND CARDIAC DISEASE TREATING SYSTEM” with “MEDICAL TREATMENT SYSTEM BY SUBSTITUTING NATIVE BIOLOGICAL REGULATORY FUNCTION; CARDIAC PACING SYSTEM, BLOOD PRESSURE REGULATING SYSTEM, AND CARDIAC DISEASE TREATMENT SYSTEM BASED ON THE MEDICAL TREATMENT SYSTEM”

MAILING ADDRESS OF SENDER:

PATENT NO. 7,835,791

Brown & Michaels
400 M&T Bank Building
118 North Tioga Street
Ithaca, New York 14850-4343

(PTO FORM PTO/SB/44)

UNITED STATES PATENT AND TRADEMARK OFFICE

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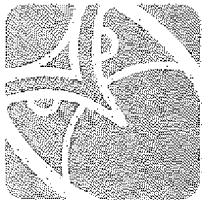
MAILING ADDRESS OF SENDER:

PATENT NO. 7,835,791

Brown & Michaels
400 M&T Bank Building
118 North Tioga Street
Ithaca, New York 14850-4343

(PTO FORM PTO/SB/44)

May 20, 2010



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*Service by electronic
communications not accepted*

Commissioner for Patents
Alexandria, VA 22313-1450

Re: Corrected Filing Receipt
Application No.: 10/523539
Filed: 02/03/05
Title: MEDICAL TREATMENT SYSTEM BY SUBSTITUTING
NATIVE BIOLOGICAL REGULATORY FUNCTION; CARDIAC
PACING SYSTEM, BLOOD PRESSURE REGULATING SYSTEM,
AND CARDIAC DISEASE TREATMENT SYSTEM BASED ON THE
MEDICAL TREATMENT SYSTEM
Confirmation No: 7546
Our docket no.: KUP-5

Commissioner:

After review of the official filing receipt that we received for this matter, it was noted that title of the application is incorrect. The title of the application should read as follows:

MEDICAL TREATMENT SYSTEM BY SUBSTITUTING NATIVE
BIOLOGICAL REGULATORY FUNCTION; CARDIAC PACING
SYSTEM, BLOOD PRESSURE REGULATING SYSTEM, AND
CARDIAC DISEASE TREATMENT SYSTEM BASED ON THE
MEDICAL TREATMENT SYSTEM

A copy of the application data sheet showing the correct title is attached for review.

Please make this correction to the filing receipt and send us a corrected receipt.

Let me know if you have any questions or concerns. Thank you for your time.

Sincerely,
Brown & Michaels, PC


By: Meghan Van Leeuwen

MVL/jb
Enclosure:

Application Data Sheet

Application Information

Application Number::

Filing Date::

Application Type:: Regular

Subject Matter:: Utility

Suggested Classification::

Suggested Group Art Unit::

CD-ROM or CD-R?: None

Number of CD Disks::

Number of Copies of CDs::

Sequence Submission?:

Computer Readable Form (CRF)?:

Number of copies of CRF::

Title:: MEDICAL TREATMENT SYSTEM BY
SUBSTITUTING NATIVE BIOLOGICAL
REGULATORY FUNCTION; CARDIAC PACING
SYSTEM, BLOOD PRESSURE REGULATING
SYSTEM, AND CARDIAC DISEASE
TREATMENT SYSTEM BASED ON THE
MEDICAL TREATMENT SYSTEM

Attorney Docket Number:: KUP-5

Request for Early Publication?: No

Request for Non-Publication?: No

Suggested Drawing Figure::

Total Drawing Sheets:: 8

Small Entity?: No

Petition included?: No

Petition Type::



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/523,539	02/03/2005	3762	1300	KUP-5	8	12	5

CONFIRMATION NO. 7546

20808
 BROWN & MICHAELS, PC
 400 M & T BANK BUILDING
 118 NORTH TIOGA ST
 ITHACA, NY 14850

FILING RECEIPT



OC000000016748468

Date Mailed: 08/22/2005

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Kenji Sunagawa, Fukuoka, JAPAN;
 Masaru Sugimachi, Osaka, JAPAN;
 Takayuki Sato, Kochi, JAPAN;

Assignment For Published Patent Application

Japan as Represented by President of National Cardiovascular Center, Osaka, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 020808.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP02/07963 08/05/2002

Foreign Applications

Projected Publication Date: To Be Determined - pending completion of Security Review

Non-Publication Request: No

Early Publication Request: No

Title

Medical treatment system using biological regulation function alternate, cardiac pacing system based on the medical treatment system, blood pressure regulating system, and cardiac disease treating system

Preliminary Class

607

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER Title 35, United States Code, Section 184 Title 37, Code of Federal Regulations, 5.11 & 5.15

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MEDICAL TREATMENT SYSTEM BY SUBSTITUTING NATIVE BIOLOGICAL REGULATORY FUNCTION; CARDIAC PACING SYSTEM, BLOOD PRESSURE REGULATING SYSTEM, AND CARDIAC DISEASE TREATMENT SYSTEM BASED ON THE MEDICAL TREATMENT SYSTEM



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APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
10/523,539	02/03/2005	3762	1300	KUP-5	12	5

CONFIRMATION NO. 7546

CORRECTED FILING RECEIPT



20808
BROWN & MICHAELS, PC
400 M & T BANK BUILDING
118 NORTH TIOGA ST
ITHACA, NY 14850

Date Mailed: 05/24/2010

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

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Takayuki Sato, Kochi, JAPAN;

Assignment For Published Patent Application

Japan as Represented by President of National Cardiovascular Center, Osaka, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 020808

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP02/07963 08/05/2002

Foreign Applications

If Required, Foreign Filing License Granted: 05/20/2010

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/523,539**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

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NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).